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COMPUTER LITERATURE SEARCHING AND DATA BASES AT THE ENVIRONMENTAL PROTECTION AGENCY ENVIRONMENTAL RESEARCH CENTER LIBRARY CINCINNATI, OHIO

Environmental Research Center
Cincinnati, Ohio

1976

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16. ABSTRACT

This document provides, in tabular form, brief details and descriptions of 74 data bases available to EPA personnel through the Environmental Research Center Library, Cincinnati. The information is current, as of September 1976.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Information Retrieval	Literature Searching	05B

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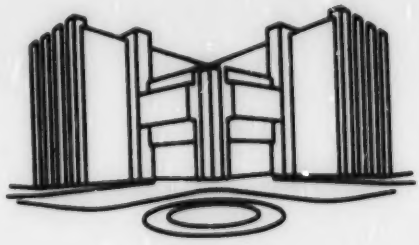

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Compiled by Mary L. Calkins

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Library
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INTRODUCTION

The Library of the Environmental Research Center-Cincinnati is the scientific and technical information focal point for the U.S. Environmental Protection Agency. As such, it provides technical information back-up to all EPA Libraries, and all EPA scientists, engineers and researchers.

Traditional library services have been integrated with new automated services in order to meet EPA's information needs rapidly and efficiently. Using computerized data bases for literature searching is one of the Library's automated services, which is cost effective in terms of man-hours and dollars.

Computer literature searching permits rapid access to millions of bibliographic citations. Most of the literature written on a topic within the last 5 years can be identified in a matter of minutes. The types of literature cited include journal articles, books, government reports, patents, research projects, symposia and conference proceedings.

HOW TO REQUEST A LITERATURE SEARCH

Computer literature search services through the Cincinnati Library are available to EPA personnel only.

Locations other than Cincinnati. We recommend that the requesters consult with their local EPA Librarian for assistance in stating the request, and for completing a "Literature Search Request" form (EPA Form 2170-1, rev. 9-76). On the form, the subject of the search should be described in one or two concise sentences. Also include a list of 10-15 key words or descriptors. The form should be typed and the requester retains the last copy.

After the form has been received at the Cincinnati Library, a search analyst will contact the requester by telephone, before the search is run. In some cases the search analyst may want to have the requester on the phone while the search is actually being performed. In any case, close contact between the requester and search analyst is necessary for successful results.

Cincinnati. We recommend that the requesters call the Library (X. 7701) for an appointment, since it is helpful to have the requester present while the search is being run.

In this way the citations can be evaluated while the search is in progress, and if necessary, the search strategy can be altered.

COSTS

The cost for accessing the data bases varies from $8.00 per hour to $120.00 per hour. At the present time, the Cincinnati Library is absorbing the cost for the searches it performs.

COMPUTER PRINTS

A computer literature search results in a print, which is a custom-made bibliography, or list of citations, on a specified topic. In most cases these prints list authors, titles, sources (journal titles, pages, etc.), and index terms or keywords. Additional types of information which may be included (depending on the data base) are: abstracts, author's address, contract and grant numbers, original language, CAS registry numbers, etc.

The documents corresponding to the computer print citations can be obtained through the local EPA Library. These documents may be available on-site, or through interlibrary loan.

ON-LINE SEARCHING

Most computer searches are performed on-line at a computer terminal. The searcher combines a number of subject terms, using Boolean logic, which meet the parameters of the requester's subject. A limited number of citations can be provided immediately. If the search is one that produces a large number of citations, an off-line print will be ordered as well. The latter is printed at the computer location, usually during the evening of the same day, and mailed out the next morning. Depending on the vagaries of the Post Office, the completed search can be in the requester's hands within 3 days.

BATCH SEARCHING

A few data bases are available only through batch searching, or maintain backfiles for this mode of searching. In batch searching data bases are searched at the place where the computer is located, in contrast to on-line

searching which is done using a terminal at the searcher's facility. A profile, or list of terms, is prepared by the requester and/or searcher. The data bases are then searched by volumes or years. With on-line searching all of the years in the base are searched simultaneously.

Turn-around time for batch searches is usually 2 to 4 weeks.

CURRENT AWARENESS OR SDI SEARCHING

When a researcher is engaged in a long-term project and desires to be kept informed of all new publications on the subject a current awareness or SDI (Selective Dissemination of Information) search may be requested.

The search will contain the citations contained in the latest update or additions to the data base. Generally the searches are run at the computer location, and mailed to the requester. The update schedules are determined by the data base producers. Monthly updating is the most usual, but some data bases have bimonthly or quarterly schedules.

DATA BASES AVAILABLE

The ERC-Cincinnati Library has contractual agreements with a number of organizations who make data bases available for searching. At the present time the Library has access to more than 70 data bases, and the number is constantly increasing. These data bases contain more than 17 million citations.

The tables on the following pages provide brief details and descriptions of the individual data bases. The information is current, as of September 1976. The following abbreviations are used for the data base suppliers (in the 1st column of the tables):

L - Lockheed Information Systems
3251 Hanover Street
Palo Alto, CA 94304

N - National Library of Medicine
8600 Rockville Pike
Bethesda, MD 20014

O - Oak Ridge National Laboratory
Computer Sciences Division
ERDA/RECON Project
P. O. Box X
Oak Ridge, TN 37830

S - Systems Development Corp.
2500 Colorado Ave.
Santa Monica, CA 90406

G - Georgia Information Dissemination Center
Office of Computing Activities
Boyd Graduate Studies Bldg.
University of Georgia
Athens, GA 30602

B - BIOSIS
BioSciences Information Service
2100 Arch St.
Philadelphia, PA 19103

EPA, ERC CINCINNATI, LIBRARY
COMPUTERIZED DATA BASES

Data Base Name Years Covered Supplier	Meaning of Name No. of Citations or Records	Source and Description
ABI or INFORM 1971 - Present L,S	Abstracted Business Information 40,000	ABI, DIV. OF DATA COURIER, INC. Covers business management periodical literature from more than 300 journals.
AGRICOLA 1970 - Present L,S,G (formerly CAIN)	AGRICultural On-Line Access 835,000	NATIONAL AGRICULTURAL LIBRARY Worldwide index to the literature of agriculture and allied sciences. Subjects are: agricultural economics, animal industry, entomology, forestry, plant science, pesticides, soils, pollution, etc. Cites journal articles, monographs, government documents, special reports, proceedings, etc. Includes the Agricultural Economics file and the Food and Nutrition File. Corresponds to the Bibliography of Agriculture and the National Agricultural Library Catalog.
AHL 1955 - Present L	America: History and Life 50,000	ABC-CLIO, INC. Covers the periodical literature on American and Canadian history and area studies including current affairs. Beginning in 1974 books and doctoral dissertations are included.
AIM & ARM 1967 - Present L	Abstracts of Instructional and Research Materials 25,000	CENTER FOR VOCATIONAL EDUCATION Abstracts of material in vocational and technical education.
AIR ECOLOGY 1850 - Present EPA	11,000	ECOLOGICAL EFFECTS RESEARCH DIV., EPA, (Corvallis) Indexes journal literature on biological effects of air pollutants on plants, animals and microorganisms. A document file is maintained for all material indexed.

APTIC 1966 - 1976 (May) EPA	Air Pollution Technical Information Center 80,000	EPA, RESEARCH TRIANGLE PARK Indexes and abstracts literature on all aspects of air pollution, including health effects, control, emission sources measurements, including monitoring, standards and economic and social aspects. Corresponds to the printed Air Pollution Abstracts.
ASI 1973 - Present S	American Statistics Index 20,000	CONGRESSIONAL INFORMATION SERVICE Covers statistical publications of the U.S. Government: periodicals, annuals, biennials, surveys, analytical reports, statistical compilations, etc. Corresponds to the printed American Statistics Index.
BIOSIS L - 1972 - Present G - 1969 - Present S - 1972 - Present	BIOSIS Previews 1,100,000	BIOSCIENCES INFORMATION SERVICE Worldwide coverage of research in the life sciences from more than 8,000 journals, as well as monographs, reports, symposia proceedings, etc. Subjects include microbiology, plant and animal science, biochemistry, botany, environmental biology, experimental medicine, genetics, public health, toxicology, virology and other interdisciplinary areas. Citations are from both Biological Abstracts and BioResearch Index.
CAIN see AGRICOLA (renamed July 1976)	-	-
CANCERLINE 1963 - Present N	Cancer On-Line 37,000	NATIONAL CANCER INSTITUTE Cancer therapy and chemical, physical & viral carcinogenesis from Carcinogenesis Abstracts and Cancer Therapy Abstracts.
CANCERPROJ Current Research (3 fiscal yrs.) N	Cancer Projects 10,000	NATIONAL CANCER INSTITUTE, CURRENT CANCER RESEARCH PROJECTS ANALYSIS CENTER Contains summaries of on-going cancer research projects which have been provided by cancer scientists in many countries.

CASIA 1973 - Present L	CA Subject Index Alert 1,000,000	CHEMICAL ABSTRACTS SERVICE, AMERICAN CHEMICAL SOCIETY General subject index headings and Chemical Abstracts Service (CAS) Registry Numbers for documents covered by CA Condensates.
CDA 1861 - Present L,S	Comprehensive Dissertation Abstracts 540,000	UNIVERSITY MICROFILMS INTERNATIONAL Subject, title and author guide to Doctoral dissertations from accredited Universities (predominantly U.S.). Based on Dissertation Abstracts International, American Doctoral Dissertation and Comprehensive Dissertation Index.
CEC 1966 - Present L	Council for Exceptional Children 2,200	COUNCIL FOR EXCEPTIONAL CHILDREN Literature dealing with education of handicapped and gifted children.
CHEMCON or CAC L - 1972 - Present S - 1970 - Present G - 1968 - Present	Chemical Abstracts Condensates 2,000,000	CAS, AMERICAN CHEMICAL SOCIETY Worldwide coverage of literature in chemistry and chemical engineering, including biochemistry, organic chemistry, physical and analytical chemistry, etc. Corresponds to the printed Chemical Abstracts. Includes bibliographic citations to journal articles, monographs, patents, government reports, and proceedings of conferences and symposia.
CHEMLINE N	CHEMical Dictionary On-Line 76,335	NATIONAL LIBRARY OF MEDICINE Toxic substance indentification file which includes chemical names, CAS Registry Numbers, molecular formulas, generic & trivial names and some Wiswesser Line Notations.
CHEMNAME L	CA Chemical Name Dictionary	CAS, AMERICAN CHEMICAL SOCIETY Indexes CAS Registry Numbers, CA Index Names, molecular formulas and synonyms for chemical substances covered by CASIA.

CIN or CINS 1973 - Present L,S	Chemical Industry Notes 113,000	CAS, AMERICAN CHEMICAL SOCIETY Citations to the business literature in the chemical industry, including production, product, sales, corporate activities, etc.
CIRC EPA - WASH.	Central Information Reference and Control	FOREIGN TECHNOLOGY DIV., WRIGHT PATTERSON AIR FORCE BASE References scientific and technical literature of intelligence interest. Material available to EPA is from open literature sources and originates in the U.S.S.R., Eastern Europe and the People's Republic of China.
CIS 1969 - Present EPA	Combined Information System 20,000	OFFICE OF NOISE ABATEMENT & CONTROL, EPA Data base supporting EPA noise regulations. The system is presently under evaluation with searches done through ONAC.
CIS INDEX 1970 - Present S	Congressional Information Service 60,000	CONGRESSIONAL INFORMATION SERVICE Covers publications of the U.S. Congress: hearings, committee prints, House & Senate reports, documents and special publications.
CLAIMS/CHEM 1950 - Present L	CLass Code, Assignee, Index Method Search 400,000	IFI/PLENUM DATA COMPANY U.S. chemical and chemically-related patents, plus some foreign equivalents.
CLAIMS/GEM 1975 - Present L	" " 80,000	IFI/PLENUM DATA COMPANY U.S. general, electrical and mechanical patents.

COMPENDEX L - 1970 - Present S - 1970 - Present G - 1970 - Present	COMPuterized ENgIneering InDEX 490,000	ENGINEERING INDEX, INC. Worldwide coverage in all diciplines of engineering, among which are civil, environmental, mechanical, nuclear, electronic and industrial engineering. Journal literature, transactions, conference proceedings, etc. are included. Corresponds to Engineering Index Monthly.
CRECORD 1976 - Present S	Congressional Record 40,000	CAPITOL SERVICES, INC. Comprehensive, highly current coverage of proceedings of the U.S. Congress cross-referenced in 275 legislative areas. Taken from Congressional Record.
EEDB O	ERDA Energy Information Data Base 98,000	ENERGY RESEARCH AND DEVELOPMENT ADM., TECHNICAL INFORMATION CENTER, Oak Ridge International coverage of energy-related scientific and technical literature. Some subjects included are: nuclear energy, geothermal energy, solar energy and all types of fossil fuels. Full Bibliographic citations and some abstracts are included.
EIC 1971 - Present O	Energy Information Center 5,500	OAK RIDGE NATIONAL LABORATORY, ERDA Indexes published literature on energy-related analysis and evaluation in such areas as: policy, forecasting, economics, supply and demand. Oriented to the social sciences. A document file is maintained.
EMIC 1968 - Present O,N (TOXLINE)	Environmental Mutagen Information Center 17,500	NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES & ERDA, OAK RIDGE NATIONAL LAB. Indexes worldwide journal and report literature on genetic effects of environmental agents, excluding radiation. CAS Registry numbers are included for all chemical agents. A full document file is maintained for all material indexed.

ENG O	Energy Data Base (EISO) 5,332	OAK RIDGE NATIONAL LABS. Includes the use, generation, distribution, environmental efrects and source of different forms of energy.
ENERGYLINE 1971 - Present S	Energy (On-Line) 10,000	ENVIRONMENT INFORMATION CENTER Covers journals, reports, newspaper articles, etc. for energy economics, policy and planning, environmental impact, resources and production. Corresponds to Energy Information Abstracts.
ENVIROLINE or ESI 1971 - Present L,O	Environment (On-Line) or Environmental Science Index 60,000	ENVIRONMENT INFORMATION CENTER Covers key environmental journals & reports as well as films and the Federal Register. Corresponds to Environment Abstracts.
EPILEPSYLINE 1945 - Present O	Epilepsy On-Line 19,000	NATIONAL INSTITUTE OF NEUROLOGICAL AND COMMUNICATIVE DISORDERS AND STROKE & NATIONAL LIBRARY OF MEDICINE Contains citations and abstracts to literature on epilepsy, including information on the scientific, clinical and social aspects of the disease. Corresponds to the printed Epilepsy Abstracts published by Excerpta Medica.
ERD Current Research O	Energy Research & Development Inventory 8,000	OAK RIDGE NATIONAL LABORATORY, ERDA Contains descriptions of current energy-related research projects (over $5,000.00). Some subjects included are: energy sources, electric power, energy uses and conservation, economic & legal aspects, and environmental and health effects. Corresponds to Inventory of Energy Research and Development: 1973-1975. Available GPO (Y4. SCI2:94-2/U/v.1-5)

ERIC 1966 - Present L,S,G	Educational Resources Information Center 25,000	NATIONAL INSTITUTE OF EDUCATION Covers report and periodical literature in the field of education. Some education areas included are: information resources, career education, science & environmental education and test & measurements.
ETIC 1960 - Present O	Environmental Teratology Information Center 5,000	NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES & ERDA, OAK RIDGE NATIONAL LAB. Indexes worldwide journal and report literature on experimental teratology in warm-blooded animals. Includes all causative agents. CAS Registry numbers are included for all chemical agents. A full document file is maintained for all material indexed.
FOUNDATION DIRECTORY L	Current	FOUNDATION CENTER Description of more than 2,500 foundations with assets exceeding $1 million or which make grants of $500,000 or more annually.
FOUNDATION GRANTS INDEX 1973 - Present	27,000	FOUNDATION CENTER Cummulation of grant records of more than 400 major U.S. philanthropic foundations, representing all records from the Foundation Grants Index section of Foundation News.
FWRS 1950 - Present	Fish & Wildlife Reference Service 13,000	FISH AND WILDLIFE REFERENCE SERVICE References to sport fishery and wildlife literature from Bureau of Fisheries and Wildlife reports.
GEOREF 1967 - Present S,G	Geological Reference File 290,000	AMERICAN GEOLOGICAL INSTITUTE Worldwide coverage of the earth sciences literature, including economic geology, geochemistry, oceanography and soils. Corresponds to the Bibliography and Index of Geology.

HA 1960 - Present L	Historical Abstracts 425,000	ABC-CLIO, INC. Indexes articles from 2,200 serials on the world's cultural, diplomatic, economic and political history from 1775-1945. Since 1971 the scope has been expanded to cover the period from 1450.
INSPEC ELEC/COMP 1969 - Present L	370,000	INSTITUTION OF ELECTRICAL ENGINEERS (London) Worldwide coverage of electrical engineering, computer science and control engineering literature.
INSPEC-PHYSICS 1969 - Present L	490,000	INSTITUTION OF ELECTRICAL ENGINEERS (London) Worldwide coverage of literature in physics.
ISMEC 1973 - Present L	Information Service in Mechanical Engineering 48,000	DATA COURIER, INC. formerly INSTITUTION OF ELECTRICAL ENGINEERS (London) Worldwide coverage of literature in mechanical engineering and engineering management.
LIBCON/E LIBCON/F LIBCON/S 1965 - Present S	Library of Congress 1,000,000+	INFORMATION DYNAMICS CORP. Covers all subject areas in monographic literature and audiovisual materials. Includes MARC records from the Library of Congress as well as many more LC-cataloged items. English (E) non-English (F) and current (S) files.
LLBA 1965 - Present L	Language & Language Behavior Abstracts 30,000	SOCIOLOGICAL ABSTRACTS, INC. Covers the world literature on speech and language pathology.

MEDLINE Current file-Most recent 2 - 3 yrs. Backfiles-Older material from 1966 N	MEDLARS On-Line Current file 652,000 Backfiles 1,644,000	NATIONAL LIBRARY OF MEDICINE Contains references from more than 3,000 biomedical journals published throughout the world. Monographs and conference proceedings were added in 1976. Corresponds to Index Medicus. Contains full bibliographic citations and index terms for all records. Some abstracts are included. SDILINE, the monthly current awareness service, is part of this file.
METADEX 1966 - Present L	Metals Index 270,000	AMERICAN SOCIETY FOR METALS Covers world metallurgical literature. Includes Metals Abstracts Index and Alloys Index.
MGA 1972 - Present L	Meteorological & Geoastrophysical 30,000	AMERICAN METEOROLOGICAL SOCIETY (National Oceanic & Atmospheric Adm.) Meteorological and geoastrophysical literature from both U.S. and foreign sources.
NIOSHTIC 1890 - Present NIOSH	National Institutes of Occupational Safety and Health Technical Information Center 55,000	NATIONAL INSTITUTES OF OCCUPATIONAL SAFETY AND HEALTH Indexes published literature in the fields of industrial medicine, including toxicology, epidemiology and engineering. A document file is maintained.
NSA 1967 - 1976 (June) O,G	Nuclear Science Abstracts 550,000	ENERGY RESEARCH AND DEVELOPMENT ADM., TECHNICAL INFORMATION CENTER, Oak Ridge Comprehensive coverage of international nuclear science literature. Includes AEC and ERDA reports as well as books, journals, conference proceedings, etc. Corresponds to Nuclear Science Abstracts journal. This file was closed in June 1976 and the nuclear material processed at TIC for this data base is now included in the EEDB data base.

NSIC 1963 - Present O	Nuclear Safety Information Center	NUCLEAR REGULATORY COMMISSION & ERDA Document descriptions and abstracts of nuclear safety literature generated in the licensing of nuclear facilities, including environmental surveys, monitoring, transporting and handling of radioactive materials, release and transport of fission products, etc.
NTIS or GRA L - 1964 - Present G - 1970 - Present S - 1970 - Present	National Technical Information Service or Gov't Reports Announcements 520,000	NATIONAL TECHNICAL INFORMATION SERVICE Abroad interdisciplinary file containing citations and abstracts of government sponsored R&D reports and other reports prepared by contractors and grantees of the federal government. Some foreign language translations are included. Corresponds to Weekly Government Abstracts and Government Reports Announcements.
OA 1964 - Present L	Oceanic Abstracts 83,000	OCEANIC ABSTRACTS SIV., DATA COURIER INC. and the NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION Worldwide coverage of oceanography and marine related literature.
OHM-TADS 1971 - Present EPA	Oil & Hazardous Materials -Technical Assistance Data System 1,000	OIL & SPECIAL MATERIALS CONTROL DIV., EPA Provides EPA regions and others with necessary data for combating hazardous substance spills or discharges.
PA 1967 - Present L,G	Psychological Abstracts 240,000	AMERICAN PSYCHOLOGICAL ASSOCIATION Covers of the world literature in psychology and other behavioral sciences. Indexes articles from more than 800 journals, as well as books, dissertations and reports. Corresponds to the printed Psychological Abstracts.
PAPERCHEM 1969 - Present	Paper Chemistry Abstracts 60,000	INSTITUTE OF PAPER CHEMISTRY Worldwide coverage of literature pertaining to the pulp and paper industry and board manufacturing and utilization. Indexes journal articls, patents, proceedings, etc. Based on the Abstract Bulletin of the Institute of Paper Chemistry.

P/E NEWS 1975 - Present S	Petroleum/Energy Business News Index 25,000	AMERICAN PETROLEUM INSTITUTE, CENTRAL ABSTRACTING INDEXING SERVICE Indexes 5 major trade publications in the petroleum and energy fields: Platts Oilgram News Service, Middle East Economic Survey, Petroleum Intelligence Weekly, Petroleum Economist and Oil Daily.
PNI 1974 - Present S	Pharmaceutical News Index 14,000	PHARMACEUTICAL NEWS INDEX, DATA COURIER, INC. Indexes 4 weekly publications: Drug Research Reports, FDC Reports the PMA Newsletter and the Washington Drug and Device Letter. Covers major health bills, FDA recalls and court actions, legislative actions, etc.
POLLUTION 1970 - Present L,S	Pollution Abstracts 43,000	POLLUTION ABSTRACTS DIV., DATA COURIER, INC. Covers foreign and domestic reports, journals, contracts, symposia, etc. in the areas of pollution, its sources and its control. Includes air, water and land, pollution, sewage and water treatment and legal developments. Corresponds to the printed Pollution Abstracts.
PTS CMA & EMA 1972 - Present L	Chemical Market Abstracts and Equipment Market 100,000	PREDICASTS, INC. Worldwide coverage of journal and report literature significant, to the chemical process industries, computers, communications, etc.
PTS D 1971 - Present L	Domestic Statistics 140,000	PREDICASTS, INC. Time series and forecasts on U.S. economics, demographics, finance and production.
PTS EIS current L	Economic Information Systems 117,000	PREDICASTS, INC. Data and classification of industrial plants in the continental U.S.

PTS F & S 1972 - Present L	Funk and Scott Indexes 600,000	PREDICASTS, INC. Concise information and references to business and economics articles.
PTS INT 1972 - Present L	International Statistics 140,000	PREDICASTS, INC. Time series and forecast, in foreign economics, demographics, finance and production.
SCISEARCH 1974 - Present L	Science Citation Index 1,000,000	INSTITUTE FOR SCIENTIFIC INFORMATION Multidisciplinary index to the literature of science and technology, including animal and plant science, biochemistry, drug research, experimental medicine and microbiology. Its unique feature is indexing cited papers. Corresponds to the printed Science Citations Index.
SOCABS L - 1963 - Present G - 1965 - 1967	Sociological Abstracts 72,000	SOCIOLOGICAL ABSTRACTS, INC. In depth coverage of the literature of sociology and related social science areas. Corresponds to the printed Sociological Abstracts.
SOC SCISEARCH 1972 - Present L	Social Science Citation Index 395,000	INSTITUTE FOR SCIENTIFIC INFORMATION Multidisciplinary index covering the world's most important social service journals. Indexes cited papers. Corresponds to the printed Social Science Citation Index.
SPIN 1975 - Present L	Searchable Physics Information System 30,000	AMERICAN PHYSICS INSTITUTE Covers American journal literature on physics as well as all AIP journals and conference proceedings.

SSIE Current research for 3 fiscal yrs. S,SSIE	Smithsonian Science Information Exchange 130,000	SMITHSONIAN SCIENCE INFORMATION EXCHANGE Covers on-going and recently completed research in the life, physical and social sciences, both basic and applied research projects. It includes Federally-funded projects (grants, contracts, etc.) and some privately sponsored research. A search retrieves Notices of Research Projects.
SWIRS 1964 - Present SWIRS	Solid Waste Information Retrieval System 37,000	OFFICE OF SOLID WASTE MANAGEMENT PROGRAMS, EPA Comprehensive collection of world literature on solid waste management. A full document file is maintained for all materials abstracted.
TOX O	Toxic Materials Data Base (EISO)	OAK RIDGE NATIONAL LABS., ERDA Subject matter includes effects on the environment of numerous toxic substances, such as heavy metals.
TOXLINE Current file - 1971 - Present Backfiles - Older material N	TOXicology Information On-LINE Current file 350,000 Backfiles 200,000	NATIONAL LIBRARY OF MEDICINE, TOXICOLOGY INFORMATION PROGRAM An extensive collection of toxicology information with references to human and animal toxicity studies, effects of environmental chemicals, pesticides and pollutants, adverse drug reactions and analytical methodology. Abstracts and/or indexing terms are included in addition to full bibliographic citations. The information is derived from 5 major secondary sources and 3 special collections of material: 1. CBAC (Chemical-Biological Activities) from CAS. 1965 - Present. 2. HEEP (Health Effects of Environmental Pollutants) from BIOSIS. 1972 - Present. 3. IPA (International Pharmaceutical Abstracts) from Am. Soc. of Hospital Pharmacists. 1970 - Present. 4. TOXBIB (Toxicity Bibliography) from NLM. 1968 - Present. (continued on next page)

TOXLINE (con't)		5. PESTAB (Pesticides Abstracts, formerly HAPAB) from EPA. 1966 - Present. 6. Hayes file on Pesticides, from EPA. 1940 - 1966. 7. EMIC (Environmental Mutagen Information Center) from ORNL. 1968 - Present. 8. TMIC (Toxic Materials Information Center) from ORNL. 1971 - Present.
TULSA 1965 - Present S	University of Tulsa Data Collection 160,000	UNIVERSITY OF TULSA, INFORMATION SERVICES DEPT. Covers oil and gas exploration, development and production, pollution, alternative fuels and energy sources and petroleum transportation and storage. Based on Petroleum Abstracts.
WAA 1968 - Present L	World Aluminum Abstracts 45,000	AMERICAN SOCIETY FOR METALS Covers technical literature on aluminum, ranging from ore processing to end use.
WRSIC or WRA 1967 - Present O,WRSIC	Water Resources Scientific Information Center or Water Resources Abstracts 100,000	OFFICE OF WATER RESOURCES RESEARCH, INTERIOR DEPT. Covers water-related aspects of the physical, life and social sciences, and related engineering and legal aspects of water quality control and use. Includes sewage and waste water treatment.

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